

REMARKS

Claims 1-3 and 60-80 are pending in this application, with claims 1, 61, 65, 69, 73, and 77 being independent. Claim 1 is amended, and claims 4-55 are cancelled. Claims 56-59 are withdrawn. Claims 60-80 are newly added. No new matter has been added.

Regarding preliminary matters, Applicant thanks the Examiner for returning initialed copies of the Forms PTO-1449 filed on July 11, 2002, September 4, 2002, January 16, 2003, and March 11, 2003. Applicant notes that an additional IDS was filed on October 3, 2003, and requests the return of an initialed copy of the associated Form PTO-1449 with the Examiner's next official communication.

Claims 1-25, 30, 31, 36, 37, and 42-54 are rejected under 35 U.S.C. §103(a) as being unpatentable over US 6,130,001 to Shi et al. (Shi). Claims 26-29 are rejected under 35 U.S.C. §103(a) as being unpatentable over Shi in view of US 6,368,730 to Kishimoto et al. (Kishimoto). Claims 32-35 are rejected under 35 U.S.C. §103(a) as being unpatentable over Shi in view of US 6,458,475 to Adachi (Adachi). Claims 38-41 are rejected under 35 U.S.C. §103(a) as being unpatentable over Shi in view of US 6,326,091 to Schoo (Schoo).

The above-listed rejections of claim 4-55 are obviated by the cancellation of those claims. Regarding the rejection of claims 1-3 under 35 U.S.C. §103(a) as being unpatentable over Shi, Applicant respectfully submits that Shi does not disclose or properly suggest all of the elements of independent claim 1, as amended.

For example, claim 1 recites (with emphasis added):

A light emitting device comprising an organic light emitting element comprising:
an anode;
a cathode; and
an organic compound film sandwiched between the anode and the cathode,
wherein the organic compound film comprises at least two compounds selected from the group consisting of:
a blocking compound capable of stopping the movement of holes or electrons and at least one of
a hole injecting compound that receives holes from the anode;

a hole transporting compound that has a hole mobility that is larger than its electron mobility;

an electron transporting compound that has an electron mobility that is larger than its hole mobility; and

an electron injecting compound that receives electrons from the cathode;

wherein the two compounds selected are materials capable of undergoing vacuum evaporation,

wherein the organic compound film comprises a region in which the two compounds are mixed, and

wherein the electric current versus electric voltage property of the organic light emitting elements show a rectification property.

That is, independent claim 1, as amended, requires an "... organic compound film (that) comprises at least two compounds selected from the group consisting of a blocking compound capable of stopping the movement of holes or electrons," and at least one other member of the listed grouping.

In contrast, Shi discloses an organic EL device that includes a cathode, an organic electroluminescent layer, and an anode, these layers being laminated in sequence. The organic layer is composed of a continuous organic medium A_xB_y , where A and B are components capable of transporting electrons and holes, respectively. In the formula A_xB_y , x represents the content of the "A" component, with a value ranging from 0 (adjacent the anode) to 100% (adjacent the cathode). Further, y represents the content of the "B" component, with a value ranging from 0 (adjacent the cathode) to 100% (adjacent the anode).

Therefore, Applicant respectfully submits that Shi fails to disclose or properly suggest the feature of claim 1 of "a blocking compound capable of stopping the movement of holes or electrons." Accordingly, independent claim 1 is believed to be allowable for at least the above reasons, so that dependent claims 2 and 3 (as well as new dependent claim 60) are believed to be allowable for at least the same reasons.

Applicant respectfully submits that new claims 60-80 also are in condition for allowance. For example, new independent claim 69, similarly to claim 1, recites an organic compound film comprising at least two compounds, one of which is "... a blocking compound capable of

stopping the movement of holes or electrons. New independent claims 61 and 73 recite a light emitting device having a combination of a hole injecting compound with a hole transporting compound as claimed therein. New independent claims 65 and 77 recite a light emitting device having a combination of an electron transporting compound with an electron injecting compound as claimed therein.

Accordingly, new independent claims 61, 65, 69, 73, and 77 are believed to be allowable for at least the above reasons, so that new dependent claims 62-64, 66-68, 70-72, 74-76, and 78-80 are believed to be allowable for at least the same reasons.

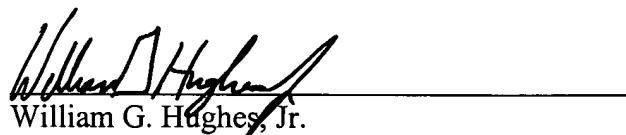
Based on the above, all of claims 1-3 and 60-80 are believed to be in condition for allowance, and such action is hereby requested in the Examiner's next official communication.

Please note that we made minor changes to new claims 64, 65, 68, 69, 71, 72, 75, 76, 77, 79, and 80, in order to correct informalities including incorrect claim dependencies and/or incorrect idiomatic usage.

Enclosed is a \$420.00 check for the Two-Month Extension of Time fee. Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: March 29, 2004



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